

BSA1

Site name: OLD AMERICAN ZINC PLANTEPA ID: IL0000034355NFL Status: Superfund AlternativeRegion: 05Section: SFD/RRB#2/RRS4: 090595300Primary RPM: MURAWSKI, RONALDHE Survey Status: Current Human Exposure Controlled NOTHE Estimated Control Date: 12/31/14 LTHHP Estimated Control Date: 9/30/2015 HE Last Review Date: 6/15/2009 RPM Certified: YesJustification Type: HENC Justification Date: 7/31/09 7/31/09

Justification Text: If site status has changed, please enter a justification as to why the status has changed:

Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Step 1: Is there sufficient known and reliable information to make an evaluation on human exposure at this site?

Answer: YesSDMS Number(s): 313602List Reference Document(s): 03/09 RI RPT

EPA Region 5 Records Ctr.



372421

No

Insufficient Data
to Determine
Human Exposure
Control Status

Yes

Step 2: Have all long-term human exposure-related cleanup goals been met for the entire site?

Answer: NoSDMS Number(s): 313602List Reference Document(s): No ROD in place 03/09 RI RPT

Yes

Long-Term
Human Health
Protection
Achieved

No

Step 3: Are there complete human exposure pathways between contaminated groundwater, soil surface water, sediment, or air media and human receptors such that exposures can be reasonably expected under current conditions?

Answer: No YESSDMS Number(s): 313602List Reference Document(s): Removal Action & RI Sampling Results Complete
03/09 RI RPT

Yes

Step 4: Are the actual or reasonably expected human exposures associated with the complete pathways identified in Step 3 within acceptable limits under current conditions?

Answer: NOSDMS Number(s): 313602List Reference Document(s): 03/09 RI RPT

No

Current Human
Exposures Not
Controlled

(continued on next page)

Yes

(continued from previous page)

Step 5: Is the site Construction Complete, is the remedy operating as intended, and are engineering and institutional controls (if required), in place and effective?

Answer: **No**

SDMS Number(s):

List Reference Document(s): **No ROD in place**

No

Current Human
Exposures Not
Controlled

Yes

Current Human
Exposure
Controlled and
Protective
Remedy in Place

Step 6: Are there continuing exposures at the site? Answer Yes only if EPA (or a state or PRP) has exhausted all response actions and legal authorities to prevent unacceptable human exposure, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285.02, March 2008, pages 4-10 and 4-11).

Answer: **No**

Exposure Pathway Description

If Human Exposure is NOT under control, please describe the exposure pathway.

☐ Approved by Headquarters Environmental Coordinator

Unofficial

THE RI REPORT DOCUMENTED THAT THERE ARE METALS EXCEEDANCES (OVER SCREENING LEVELS) IN SOILS IN SOME RESIDENTIAL YARDS AND ALLEYWAYS NEAR THE SITE. CURRENT RESIDENTS ARE EXPOSED TO UNACCEPTABLE RISK VIA THE SOIL EXPOSURE PATHWAY, PRIMARILY THROUGH INGESTION.

Official

Approvals (Initial and Date)

RPM	Section Chief	Technical Review	Branch Chief	IMC	Data Entry
RWM 7/31/09	Jnt 8/17/09	Jnt 8/17/09			39. 9/9/09

RUN DATE: 10/30/08 14:06
SOURCE: CERCLIS

Superfund Migration of Contaminated Ground Water Under Control Worksheet

CONFIDENTIAL, FOR
INTERNAL USE ONLY

BSA1

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Region: 05 Section: Primary RPM: RONALD MURAWSKI

Site Name: OLD AMERICAN ZINC PLANT

EPA ID: IL0000034355

GW Survey Status: Insufficient Data to Determine Contaminated Groundwater Migration Control Status

Justification Date: 12/31/2015

Justification Type: submitted August

Estimated Under Control Date: 12/31/2015

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

The Old American Zinc Plant Site is considered Insufficient Data to determine Contaminated Groundwater Migration Under Control status because it is not known if the migration of contaminated groundwater will remain within an existing area of contamination as defined by groundwater monitoring locations. The PRPs are scheduled to submit the draft RI Report in July 2008, when U.S. EPA will further study the nature and extent of off-site groundwater contamination. and is studying

Q. Does the site currently have contaminated ground water or did site conditions warrant EPA's investigation or remediation of ground water contamination in the past?

Answer: Yes

No → Stop, you do not need to complete the GM/EI

Yes ↓

Step 1. Based on the most current data on the site, has all available relevant/significant information on known and reasonably suspected releases to ground water been considered in this determination?

Answer: ~~No~~ YES

SDMS/Control Number: still under review

List Reference Document(s):
RI Report ~~not yet submitted by PRPs or approved by EPA.~~
draft

Insufficient Data/No →

Yes ↓

Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, guidelines, or criteria) as a result of a release from the site?

Answer: YES

SDMS/Control Number:

List Reference Document(s): DRAFT RI REPORT

Insufficient Data/No →

Yes ↓

Step 3. Is the migration of contaminated ground water stabilized (such that contaminated ground water is expected to remain within "existing area of contaminated ground water") as defined by the monitoring locations designated at the time of this determination?

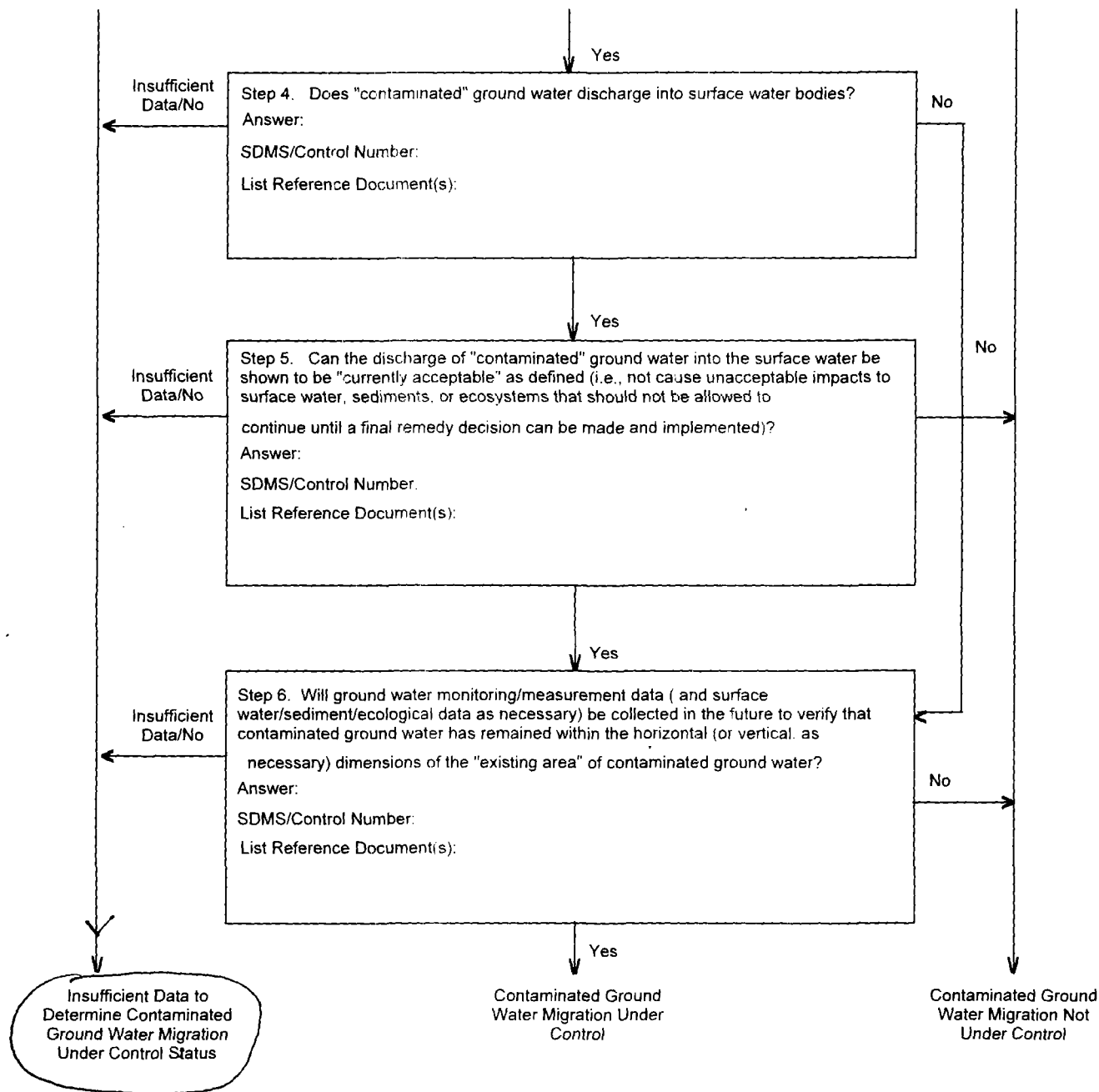
Answer: INSUFFICIENT DATA

SDMS/Control Number:

List Reference Document(s): DRAFT RI REPORT

Insufficient Data/No →

No → Contaminated Ground Water Migration Under Control



Approvals (Initial and Date)

RPM	Section Chief	Technical Review	Branch Chief	IMC	Data Entry
Rwm 12/5/08	gnt 2/4/09				SJ. 6/15/09

Human Exposure Evaluation Flowchart

1. Is there sufficient known and reliable information to make an evaluation on human exposure at this site?

Response: YES

No → Insufficient Data to Determine Human Exposure Control Status (HEID)

Yes

2. Have all long-term human exposure-related cleanup goals been met for the entire site?

Response: NO

Reference: NO ROD IN PLACE

Yes → Current Human Exposures Under Control and Long-Term Human Health Protection Achieved (HHPA)

No

3. Are there Complete Human Exposure pathways between contaminated ground water, soil, surface water, sediment, or air media and human receptors such that exposures can be reasonably expected under current conditions?

Response: NO

Reference: REMOVAL ACTION + RI SAMPLING RESULTS COMPLETE

No

Yes

4. Are the actual or reasonably expected human exposures associated with the complete pathways identified in Step 3 within acceptable limits under current conditions?

Response: _____

Reference: _____

No

Current Human Exposures Not Under Control (HENC)

Yes

5. Is the site Construction Complete, is the remedy operating as intended, and are engineering and institutional controls (if required), in place and effective?

Response: NO

Reference: NO ROD IN PLACE

If one or more criteria from Step 5 are not met

Current Human Exposures Under Control (HEUC)

If all criteria from Step 5 are met

Current Human Exposures Under Control and Protective Remedies in Place (HEPR)

Resulting Current Human Exposure Determination:

Ron Munawski 6/11/08
RPM Signature Date

Jan Janicki 7/8/08
Section Chief Signature Date

Jim 7/8/08 EI Coordinator Initials, Date

3D 7/8/08

Superfund Migration of Contaminated Ground Water Under Control Worksheet

Definition: Is the migration of contaminated ground water from the site being controlled through engineered or natural processes?

Region: 5

State: IL

EPA ID: IL0000034355

Site Name: OLD AMERICAN ZINC PLANT SITE

Step 1. Based on the most current data on the site, has all available relevant/significant information on known and reasonably suspected releases to the ground water been considered in this EI determination?
 Explain Rationale: RI REPORT NOT YET SUBMITTED
BY PRPs OR APPROVED BY EPA
 List Site Reference Document: _____

↓ Yes

Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, guidelines, or criteria) as a result of a release from the site?
 Explain Rationale: _____
 List Site Reference Document: _____

↓ Yes

Step 3. Is the migration of contaminated ground water stabilized (such that contaminated ground water is expected to remain within "existing area of contaminated ground water") as defined by the monitoring locations designated at the time of this determination?
 Explain Rationale: _____
 List Site Reference Document: _____

↓ Yes

Step 4. Does "contaminated" ground water discharge into surface water bodies?
 Explain Rationale: _____
 List Site Reference Document: _____

↓ Yes

Step 5. Can the discharge of "contaminated" ground water into surface water be shown to be "currently acceptable" as defined (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy decision can be made and implemented)?
 Explain Rationale: _____
 List Site Reference Document: _____

↓ Yes

Step 6. Will ground water monitoring/measurement data (and surface water/sediment/ecological data as necessary) be collected in the future to verify that contaminated ground water has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area" of contaminated ground water?
 Explain Rationale: _____
 List Site Reference Document: _____

↓ Yes

IN SUFFICIENT DATA, More Information Needed to Make Determination

YES, Site Does Meet Definition

NO, Site Does Not Meet Definition

Ron Munnawski
 2/1/08 6/1/08
 Jmt 7/5/08